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Datasheet for ABIN335158 anti-Enkephalin antibody (Internal Region)

2 Images



Overview

Quantity:	100 µg
Target:	Enkephalin (PENK)
Binding Specificity:	Internal Region
Reactivity:	Rat, Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Enkephalin antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

Product Details

Purpose:	Proenkephalin (mouse)
Immunogen:	Peptide with sequence C-YKDSSKQDESH, from the internal region of the protein sequence according to NP_001002927.1.
Sequence:	YKDSSKQDES H
lsotype:	lgG
Cross-Reactivity:	Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

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Target Details

Target:	Enkephalin (PENK)
Alternative Name:	PENK (PENK Products)
Background:	Proenkephalin
Gene ID:	18619, 29237
NCBI Accession:	NP_001002927
Pathways:	Stem Cell Maintenance

Application Details

Application Notes:	Immunohistochemistry: Frozen section of Rat Brain (Striatum) shows staining of dense
	enkephalinergic axon plexus. Frozen section of the Mouse Brain (Stria terminalis) shows
	staining of a dense enkephalinergic fibre network in the bed nucleus. Recommended
	Western Blot: Preliminary experiments gave an approx 40 kDa band in Rat Brain lysates after
	0.2 μ g/mL antibody staining. Please note that currently we cannot find an explanation in the
	literature for the band we observe given the calculated size of 30.8 kDa
	Peptide ELISA: antibody detection limit dilution 1:32000.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable

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Image 1. ABIN335158 (0.02µg/ml) staining of PFA-perfused cryosection of Rat Striatum. HRP-staining with Ni-DAB after Biotin-SP-anti-goat amplification. Data obtained by Prof. Erik Hrabovszky, Inst, Exp, Med., Budapest, Hungary.



Image 2. (0.02µg/ml) staining of PFA-perfused cryosection of Mouse Stria terminalis. HRP-staining with Ni-DAB after Biotin-SP-anti-goat amplification. Data obtained by Prof. Erik Hrabovszky, Inst, Exp, Med., Budapest, Hungary.

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